CLAIMS

What is claimed is :

1. An electromagnetic relay comprising:

a first electromagnetic block provided with a movable contact, a normally open contact and a normally closed contact, and

a second electromagnetic block provided with at least a movable contact and a normally open contact,

both the first electromagnetic block and the second electromagnetic block being placed in a single case,

wherein the normally closed contact of the first electromagnetic block is connected to the movable contact of the second electromagnetic block within the case.

2. The electromagnetic relay according to claim 1 further comprising:

a first connecting terminal connected to the movable contact of the first electromagnetic block,

a second connecting terminal connected to the normally open contact of the first electromagnetic block, and

a third connecting terminal connected to the normally open contact of the second electromagnetic block,

the first connecting terminal, the second connecting terminal and the third connecting terminal being partially exposed outside the case,

wherein the first connecting terminal is connected to one terminal of a power source, the second connecting terminal is connected to another terminal of the power source with intervention of a first load and the third connecting terminal is connected to said another terminal of the power source with intervention of a second load, for exclusively controlling the first load and the second load.

3. The electromagnetic relay according to claim 1, wherein the

normally closed contact of the first electromagnetic block is connected to the movable contact of the second electromagnetic block by a connecting wire.

4. The electromagnetic relay according to claim 3, wherein the case is formed of an insulating material and the connecting wire is partially or entirely embedded in or covered with the insulating material.

5. An electromagnetic relay comprising:

at least a pair of electromagnetic blocks each provided with a movable contact, a normally open contact and a normally closed contact, both the electromagnetic blocks being placed in a single case,

wherein the normally closed contact of one of the electromagnetic blocks is connected to the movable contact of other one of the electromagnetic blocks by a connecting wire within the case.

6. The electromagnetic relay according to claim 4 further comprising:

a first connecting terminal connected to the movable contact of said one of the electromagnetic blocks,

a second connecting terminal connected to the normally open contact of said one of the electromagnetic blocks,

a third connecting terminal connected to the normally open contact of said other one of the electromagnetic blocks, and

a fourth connecting terminal connected to the normally closed contact of said other one of the electromagnetic blocks,

the first connecting terminal, the second connecting terminal, the third connecting terminal and the fourth connecting terminal being partially exposed outside the case,

wherein the first connecting terminal is connected to one terminal of a power source, the second connecting terminal is connected to another terminal of the power source with intervention of a first load and the third connecting terminal is connected to said another terminal of the power source with intervention of a second load, for exclusively controlling the first load and the second load.

7. The electromagnetic relay according to claim 5, wherein the third connecting terminal is connected to a movable contact of an electromagnetic relay provided with a normally open contact, the normally open contact of this electromagnetic relay is connected to said another terminal of the power source with intervention of a third load, for exclusively controlling the first load, the second load and the third load.

8. The electromagnetic relay according to claim 4, wherein the normally closed contact of the first electromagnetic block is connected to the movable contact of the second electromagnetic block by a connecting wire.

9. The electromagnetic relay according to claim 7, wherein the case is formed of an insulating material and the connecting wire is partially or entirely embedded in or covered with the insulating material.